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(54) Title: ANALYTICAL METHOD COMPRISING ADDITION IN TWO OR MORE POSITIONS AND A DEVICE AND TEST KIT THEREFOR

$$LZ_m \quad . \quad . \quad . \quad LZ_n \quad . \quad . \quad . \quad LZ_1 \qquad DZ \qquad (I)$$

(57) Abstract

A method and a device and test kit, respectively, for determination of an analyte in a sample in a flow matrix by means of a transport flow of one or more biospecific affinity reactants, at least one of which is analytically detectable (Reactant*) and one is firmly anchored in the matrix (Reactant I), have the characterizing features that: A. the flow matrix has at least two application zones for liquid (I) wherein a) LZ_n is an application zone for liquid, and n is the position of the application zone LZ_n, b) m is the total number of application zones in which flow is initiated (m $\geq$2), c) one LZ_n is an application zone for sample (LZ_n·S) and one LZ_n is for Reactant* ($LZ_{n''}$R*) with n'' $\geq$n', d) ———————— > is the direction of the flow, e) DZ is the detection zone, and B. flow is initiated by adding liquid to each zone LZ_m .. LZ_n .. LZ_1 in such a way that liquid$_{n+1}$, added to the application zone LZ_{n+1}, is transported through the matrix immediately after liquid$_n$, added to the nearest downstream application zone LZ_n.